

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102021\  
 Data File : VN069054.D  
 Acq On : 20 Oct 2021 11:46  
 Operator : JC/MD  
 Sample : VN1020WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Oct 20 16:39:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

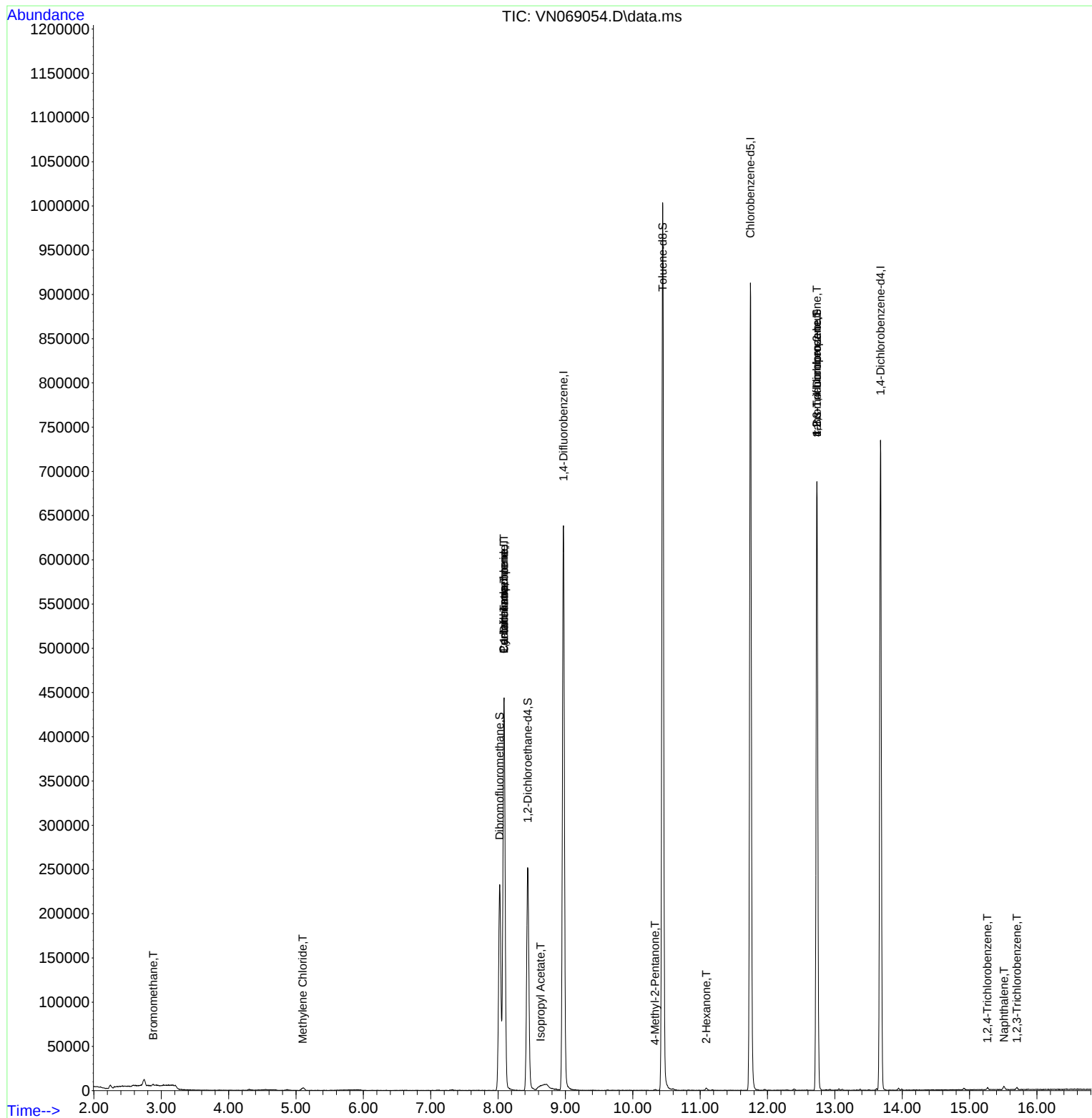
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.088  | 168   | 334609   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.971  | 114   | 582063   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.746 | 117   | 536549   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.677 | 152   | 197207   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440  | 65    | 218068   | 49.429   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 98.860%  |
| 35) Dibromofluoromethane      | 8.024  | 113   | 171281   | 50.578   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 101.160% |
| 50) Toluene-d8                | 10.443 | 98    | 725102   | 53.513   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 107.020% |
| 62) 4-Bromofluorobenzene      | 12.733 | 95    | 251883   | 49.271   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 98.540%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 2.880  | 94    | 885      | 0.387    | ug/l   | 89       |
| 20) Methylene Chloride        | 5.098  | 84    | 2542     | 0.671    | ug/l   | 91       |
| 31) Cyclohexane               | 8.088  | 56    | 7887     | 1.150    | ug/l # | 4        |
| 36) 1,1-Dichloropropene       | 8.088  | 75    | 27471    | 5.525    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.088  | 117   | 34726    | 6.360    | ug/l # | 15       |
| 43) Isopropyl Acetate         | 8.630  | 43    | 5302     | 0.585    | ug/l # | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.330 | 43    | 1079     | 0.205    | ug/l # | 36       |
| 59) 2-Hexanone                | 11.089 | 43    | 2259     | 0.600    | ug/l   | 78       |
| 76) 1,2,3-Trichloropropane    | 12.733 | 75    | 132870   | 31.666   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.733 | 75    | 132870   | 75.759   | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 15.265 | 180   | 1031     | 2.897    | ug/l   | 85       |
| 95) Naphthalene               | 15.509 | 128   | 4658     | 4.282    | ug/l # | 81       |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180   | 1198     | 2.875    | ug/l # | 77       |
| -----                         |        |       |          |          |        |          |

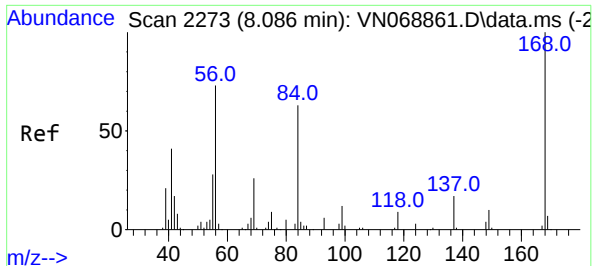
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102021\  
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Sample : VN1020WBL01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Oct 20 16:39:15 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 2021  
Response via : Initial Calibration

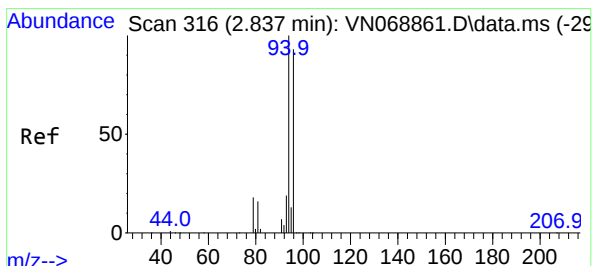
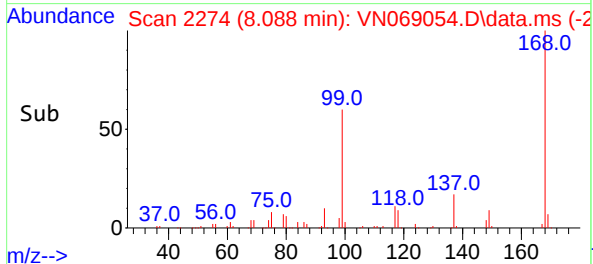
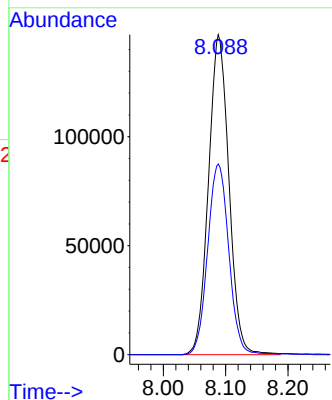
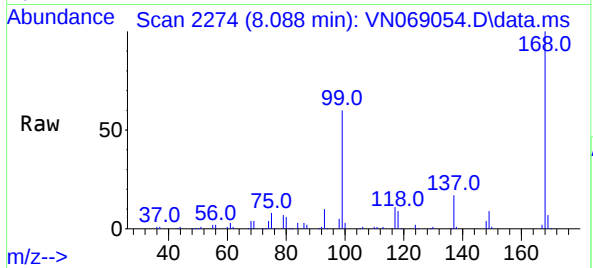




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

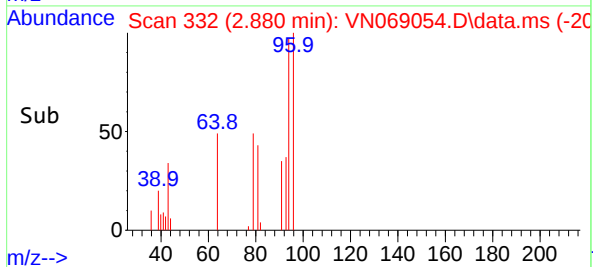
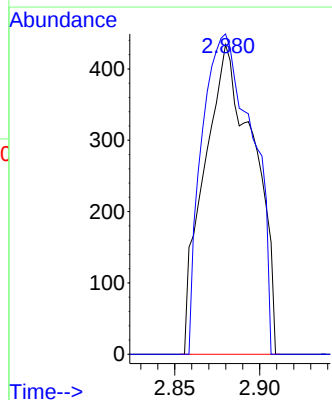
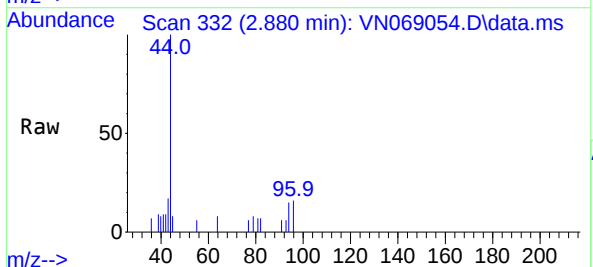
Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion:168 Resp: 334609  
Ion Ratio Lower Upper  
168 100  
99 59.6 48.9 73.3



#5  
Bromomethane  
Concen: 0.387 ug/l  
RT: 2.880 min Scan# 332  
Delta R.T. 0.043 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Tgt Ion: 94 Resp: 885  
Ion Ratio Lower Upper  
94 100  
96 103.5 74.2 111.4



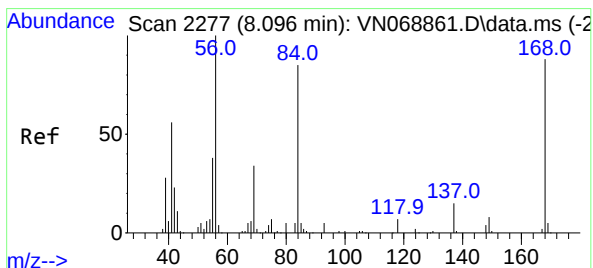
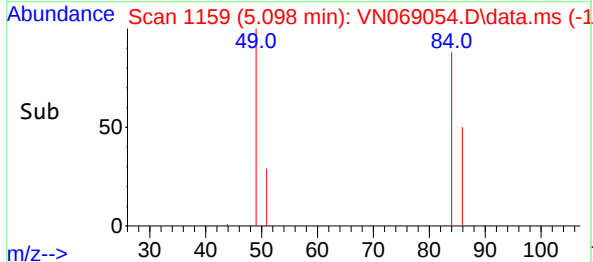
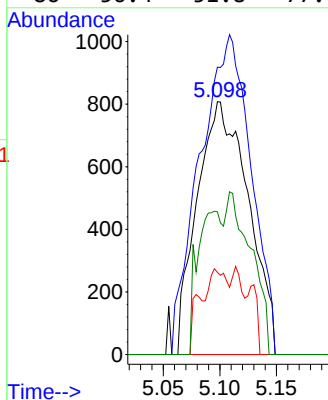
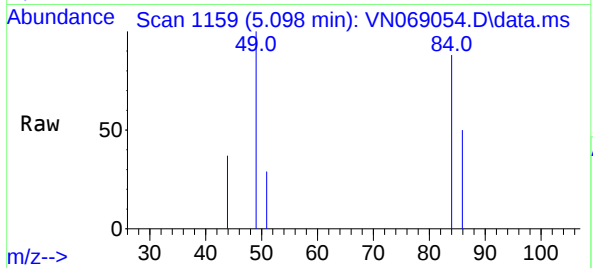


#20  
Methylene Chloride  
Concen: 0.671 ug/l  
RT: 5.098 min Scan# 1159  
Delta R.T. 0.003 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Instrument :  
MSVOA\_N  
ClientSampled :

Tgt Ion: 84 Resp: 2542

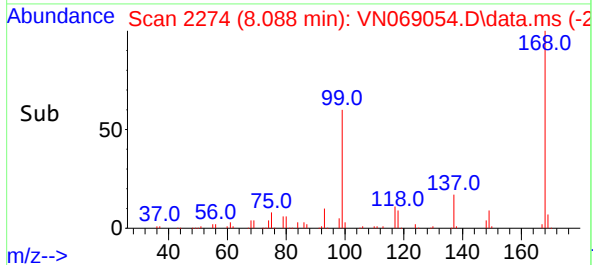
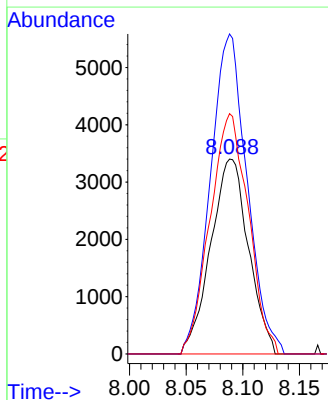
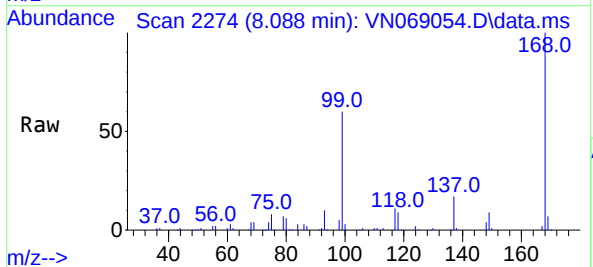
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 113.6 | 97.6  | 146.4 |
| 51  | 32.5  | 30.3  | 45.5  |
| 86  | 56.4  | 51.8  | 77.6  |

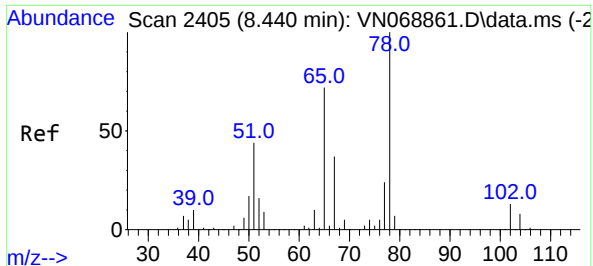


#31  
Cyclohexane  
Concen: 1.150 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.008 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Tgt Ion: 56 Resp: 7887

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 164.2 | 26.9  | 40.3#  |
| 84  | 123.3 | 67.6  | 101.4# |



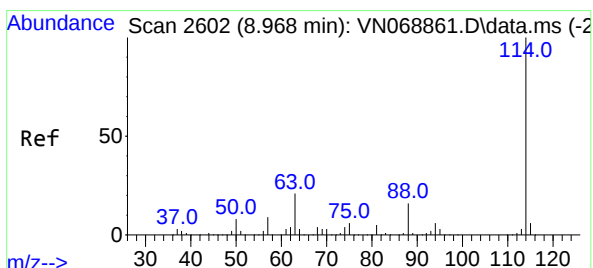
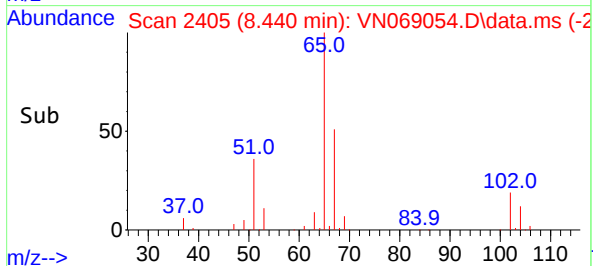
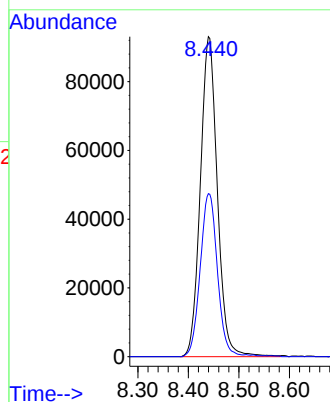
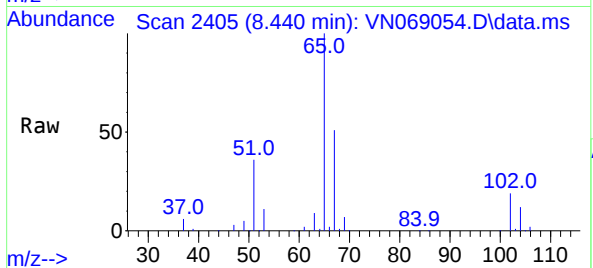


#33

1,2-Dichloroethane-d4  
Concen: 49.429 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Instrument :  
MSVOA\_N  
ClientSampled :

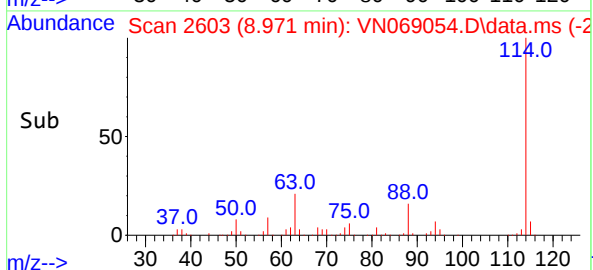
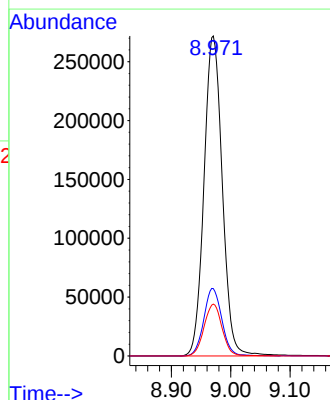
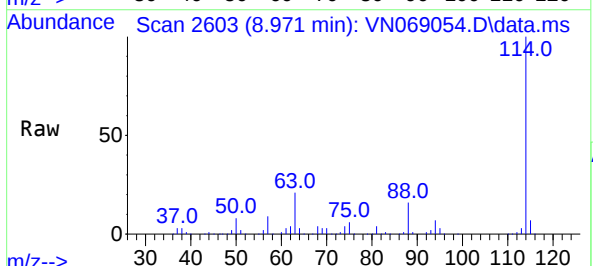
Tgt Ion: 65 Resp: 218068  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 103.8

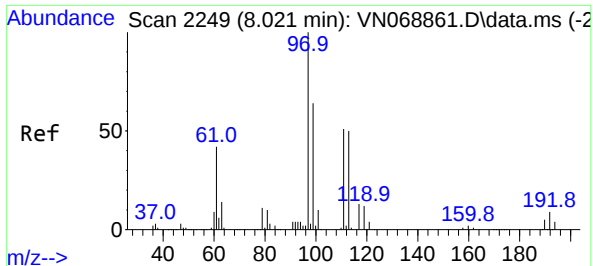


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Tgt Ion: 114 Resp: 582063  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 42.6  
88 16.2 0.0 32.0

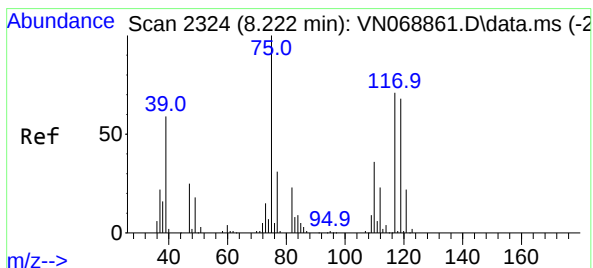
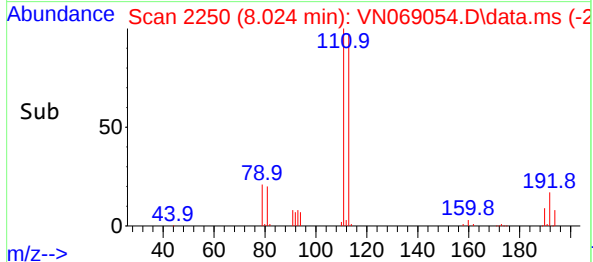
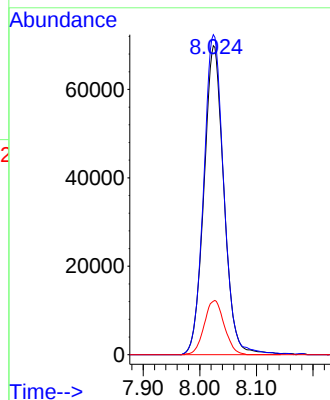
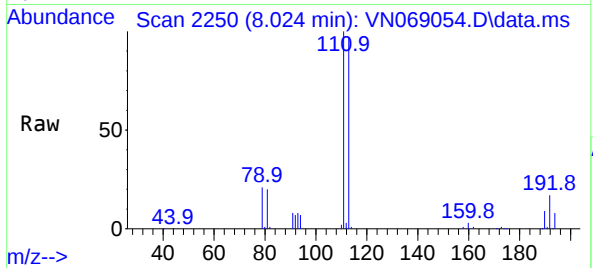




#35  
Dibromofluoromethane  
Concen: 50.578 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

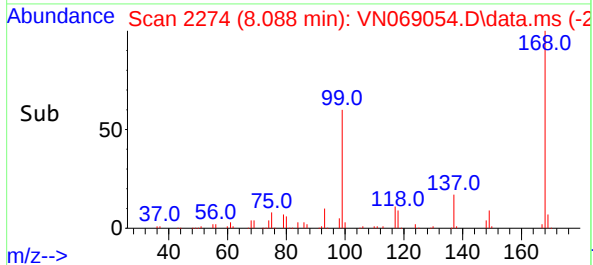
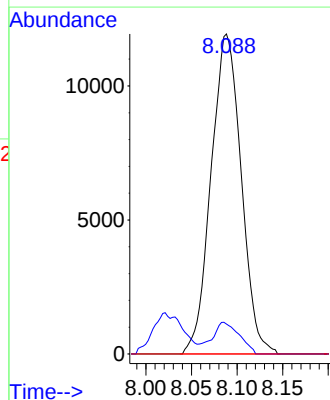
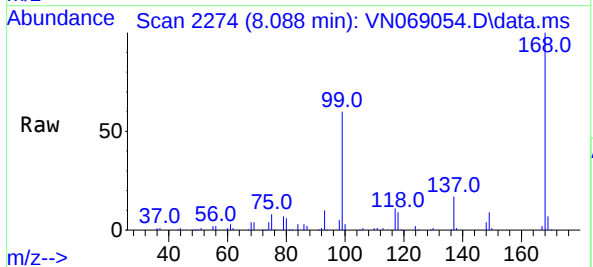
Instrument :  
MSVOA\_N  
ClientSampled :

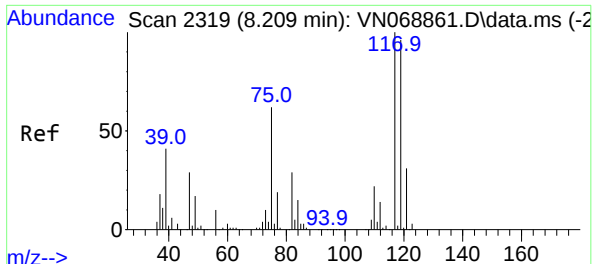
Tgt Ion:113 Resp: 171281  
Ion Ratio Lower Upper  
113 100  
111 104.1 83.2 124.8  
192 17.6 15.0 22.4



#36  
1,1-Dichloropropene  
Concen: 5.525 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.134 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

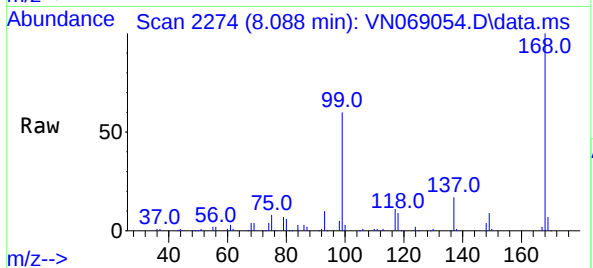
Tgt Ion: 75 Resp: 27471  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.9 53.8#  
77 0.0 24.7 37.1#



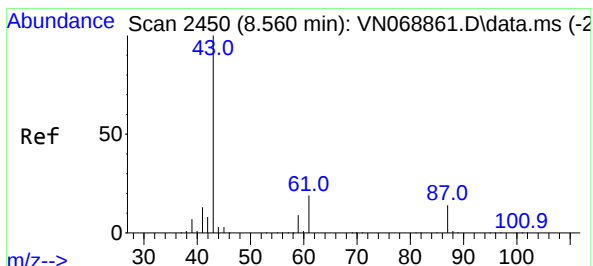
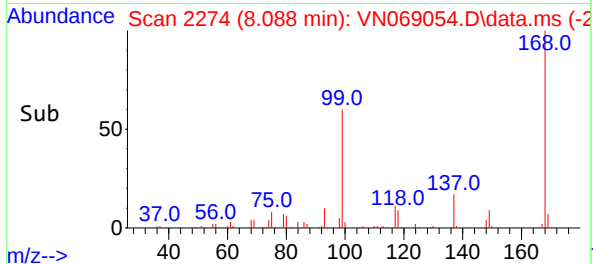
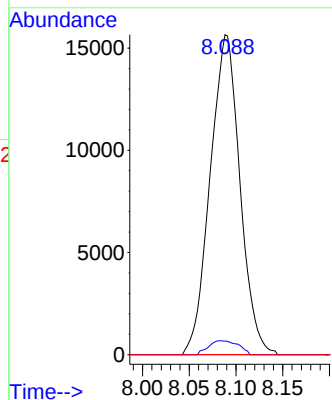


#38  
Carbon Tetrachloride  
Concen: 6.360 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. -0.121 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Instrument :  
MSVOA\_N  
ClientSampled :

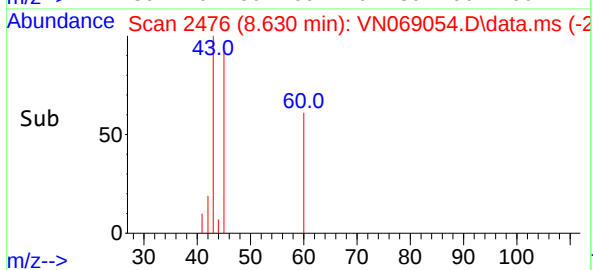
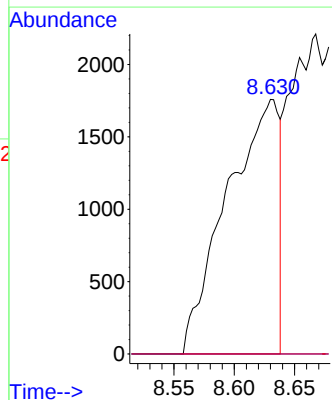
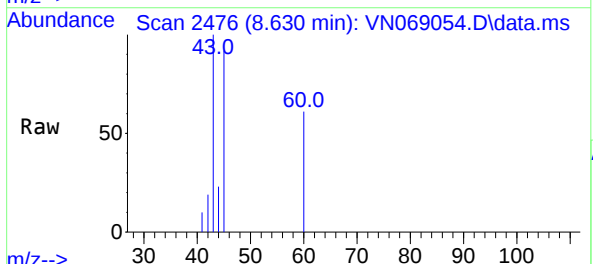


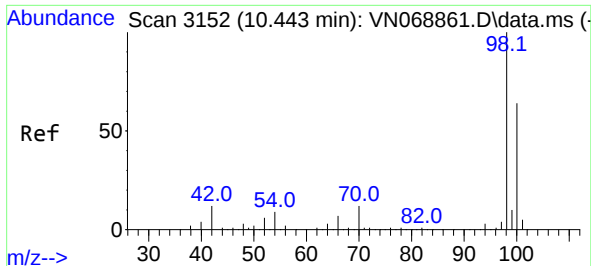
Tgt Ion:117 Resp: 34726  
Ion Ratio Lower Upper  
117 100  
119 4.3 76.9 115.3#  
121 0.0 24.6 37.0#



#43  
Isopropyl Acetate  
Concen: 0.585 ug/l  
RT: 8.630 min Scan# 2476  
Delta R.T. 0.070 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Tgt Ion: 43 Resp: 5302  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.4 30.6#  
87 0.0 10.7 16.1#

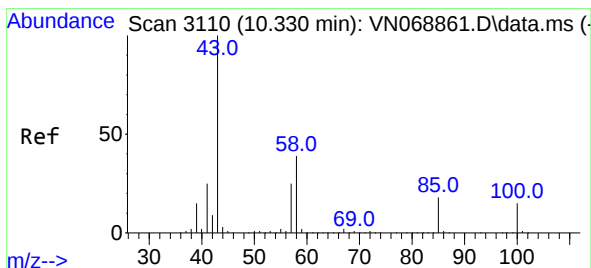
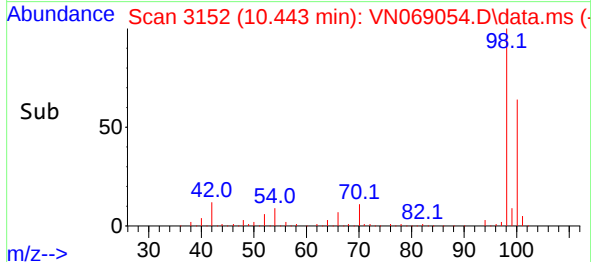
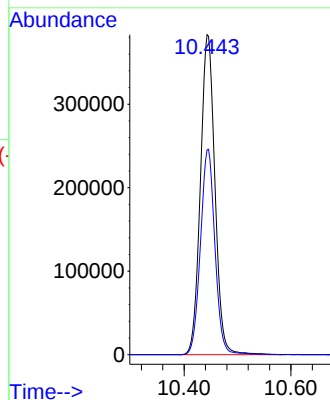
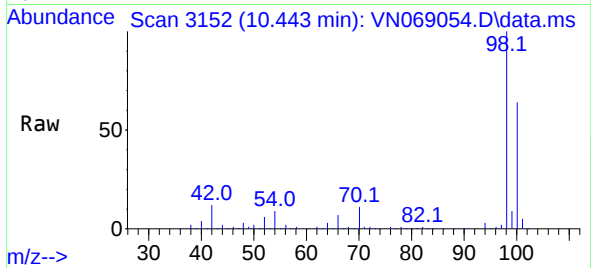




#50  
Toluene-d8  
Concen: 53.513 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

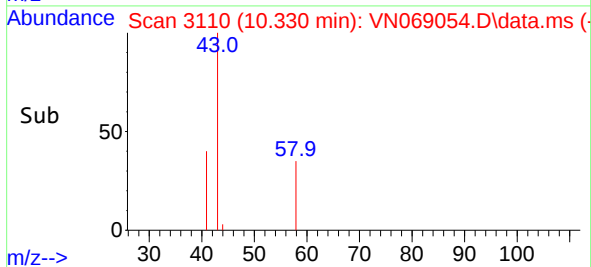
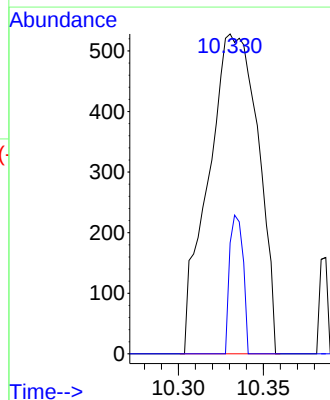
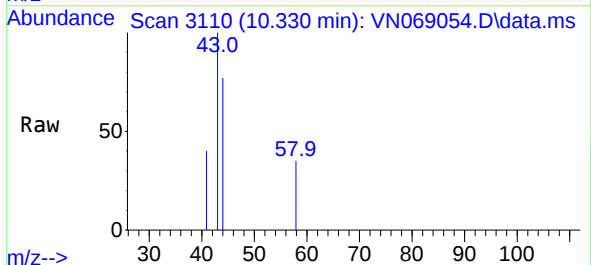
Instrument :  
MSVOA\_N  
ClientSampled :

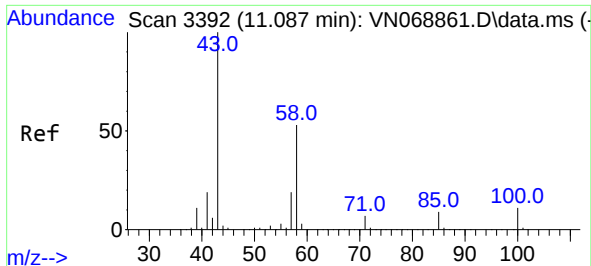
Tgt Ion: 98 Resp: 725102  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.5 77.3



#51  
4-Methyl-2-Pentanone  
Concen: 0.205 ug/l  
RT: 10.330 min Scan# 3110  
Delta R.T. -0.000 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Tgt Ion: 43 Resp: 1079  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.0 46.4#

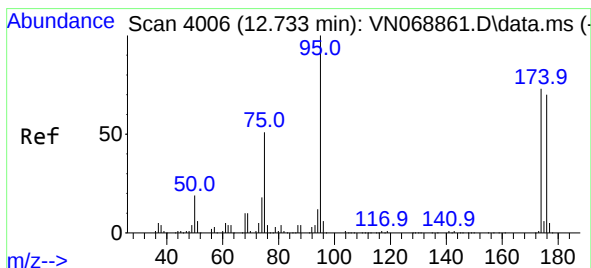
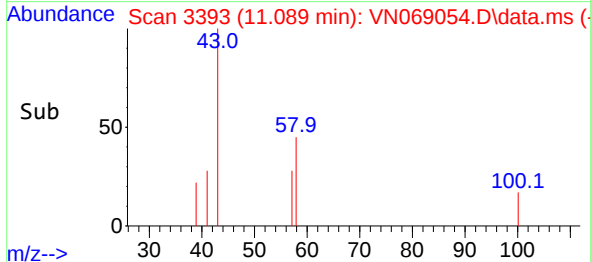
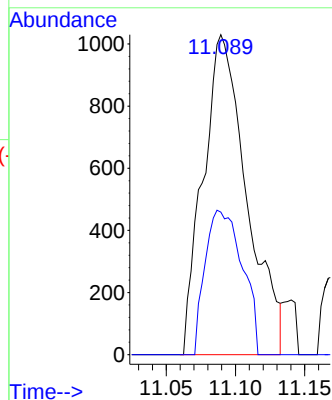
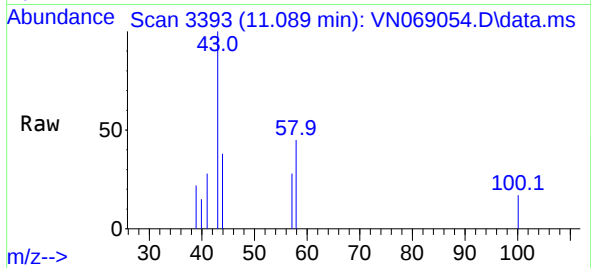




#59  
2-Hexanone  
Concen: 0.600 ug/l  
RT: 11.089 min Scan# 3393  
Delta R.T. 0.003 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

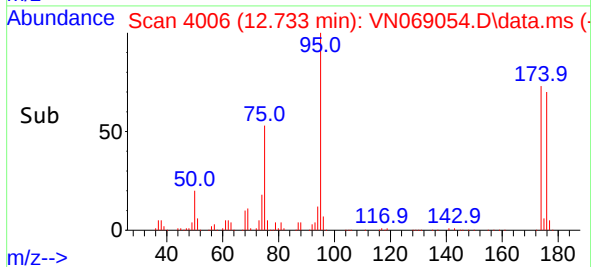
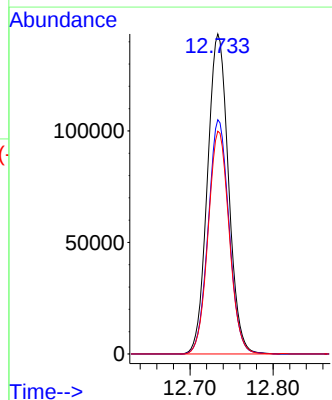
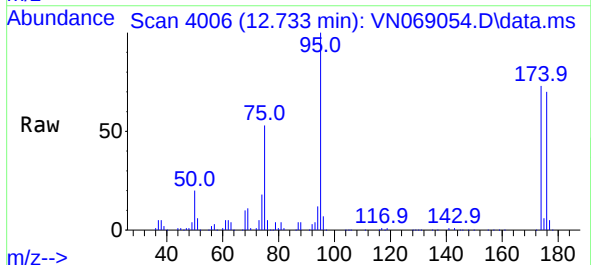
Instrument :  
MSVOA\_N  
ClientSampled :

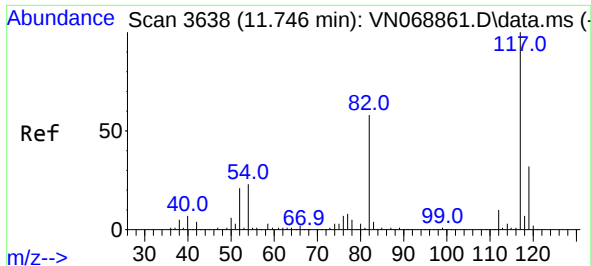
Tgt Ion: 43 Resp: 2259  
Ion Ratio Lower Upper  
43 100  
58 38.2 26.9 80.7



#62  
4-Bromofluorobenzene  
Concen: 49.271 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Tgt Ion: 95 Resp: 251883  
Ion Ratio Lower Upper  
95 100  
174 72.7 0.0 144.8  
176 69.7 0.0 140.0

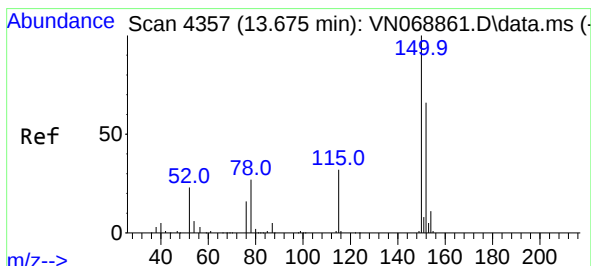
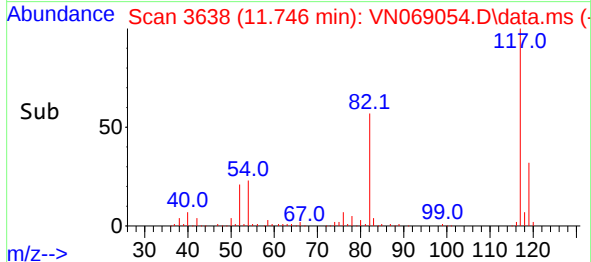
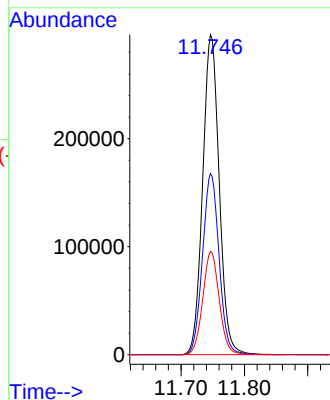
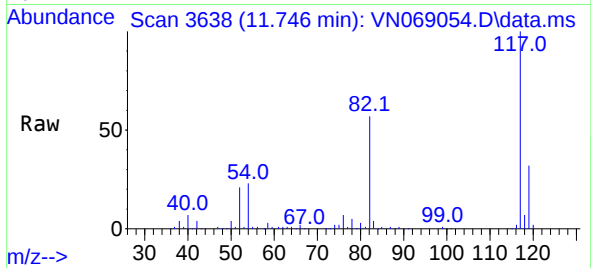




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

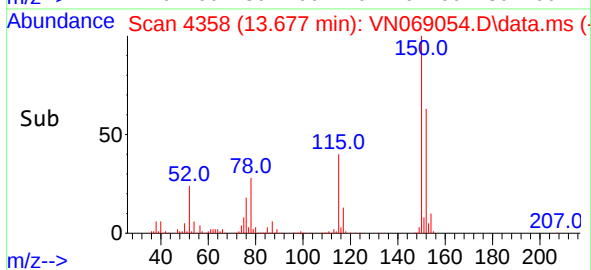
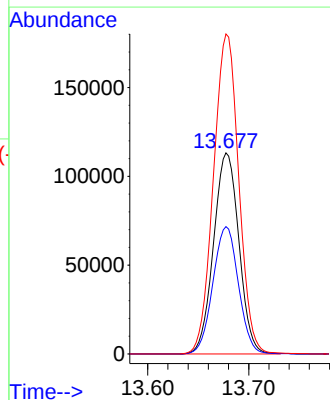
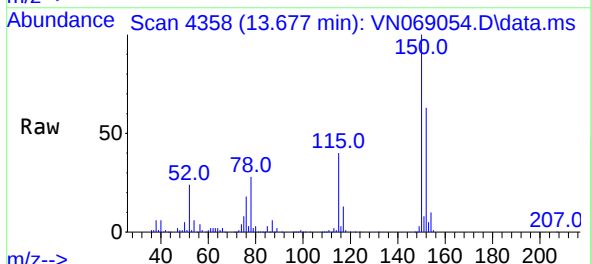
Instrument :  
MSVOA\_N  
ClientSampleId :

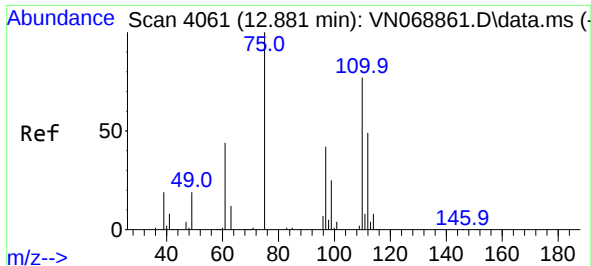
Tgt Ion:117 Resp: 536549  
Ion Ratio Lower Upper  
117 100  
82 56.6 46.4 69.6  
119 32.3 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Tgt Ion:152 Resp: 197207  
Ion Ratio Lower Upper  
152 100  
115 63.9 31.4 94.3  
150 159.0 0.0 351.0

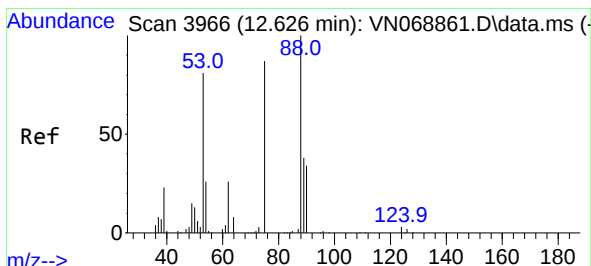
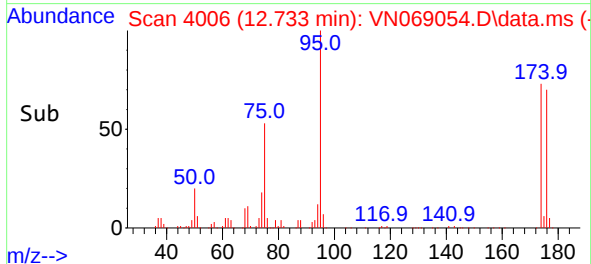
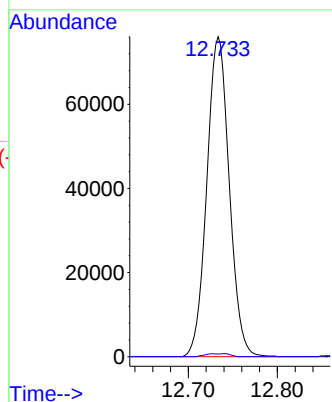
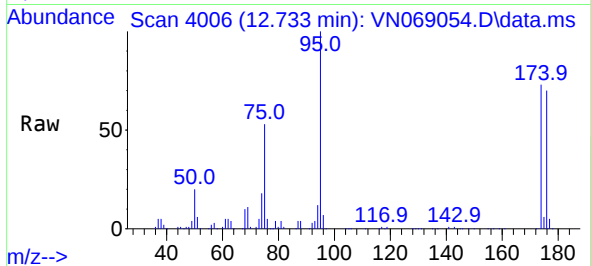




#76  
1,2,3-Trichloropropane  
Concen: 31.666 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.148 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

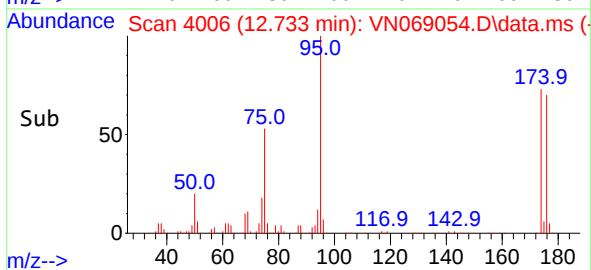
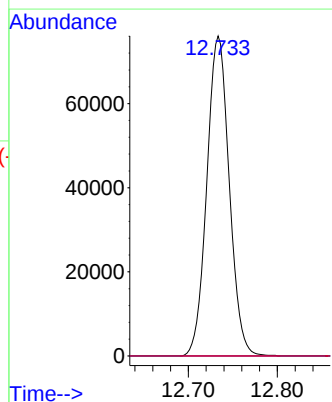
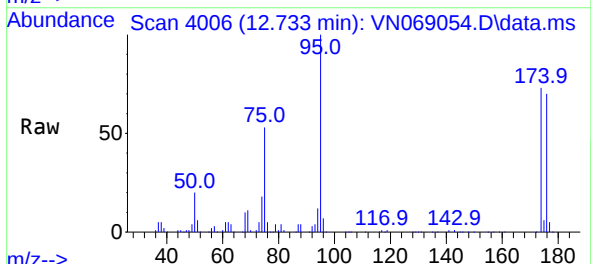
Instrument :  
MSVOA\_N  
ClientSampled :

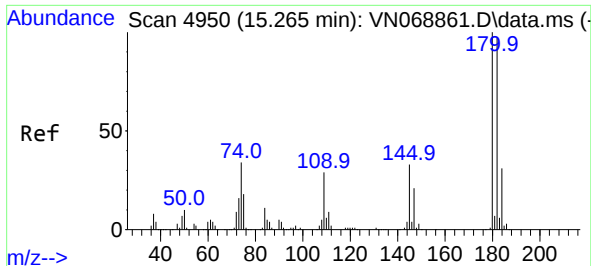
Tgt Ion: 75 Resp: 132870  
Ion Ratio Lower Upper  
75 100  
77 0.6 96.2 288.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.759 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. 0.107 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

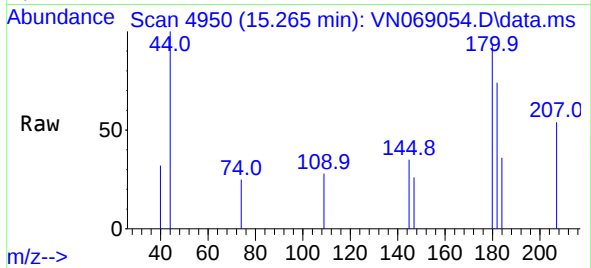
Tgt Ion: 75 Resp: 132870  
Ion Ratio Lower Upper  
75 100  
53 0.0 75.4 113.2#  
89 0.0 36.9 55.3#



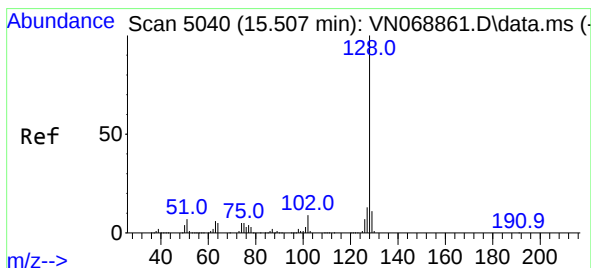
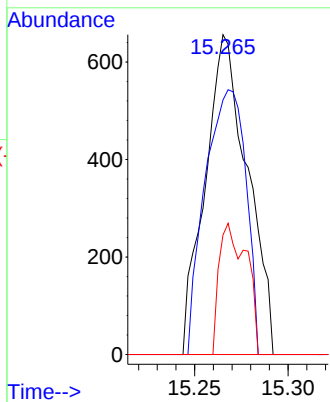
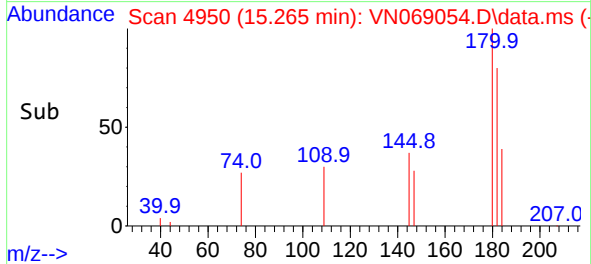


#93  
1,2,4-Trichlorobenzene  
Concen: 2.897 ug/l  
RT: 15.265 min Scan# 4950  
Delta R.T. 0.000 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

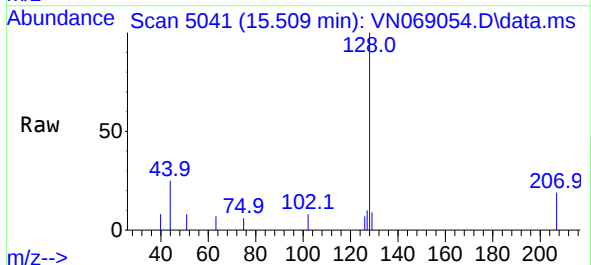
Instrument :  
MSVOA\_N  
ClientSampled :



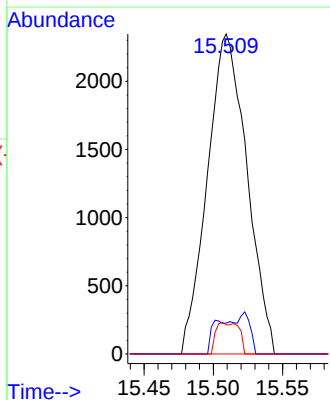
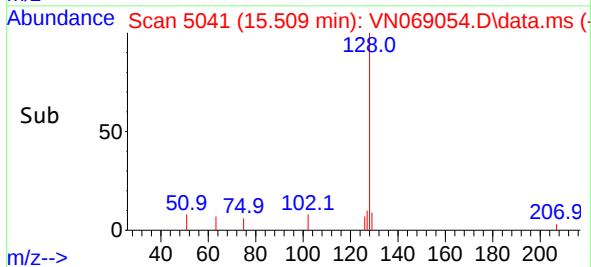
Tgt Ion:180 Resp: 1031  
Ion Ratio Lower Upper  
180 100  
182 79.7 47.9 143.7  
145 26.4 16.4 49.2

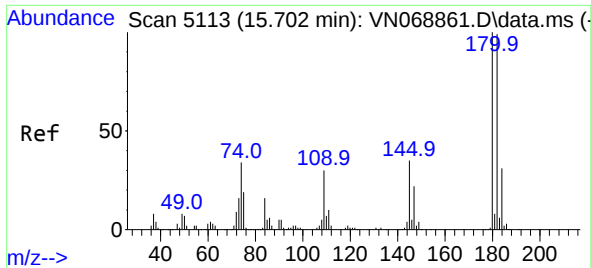


#95  
Naphthalene  
Concen: 4.282 ug/l  
RT: 15.509 min Scan# 5041  
Delta R.T. 0.002 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46



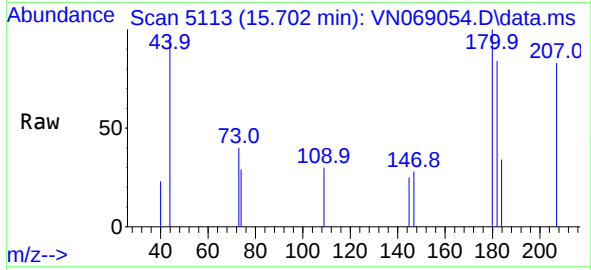
Tgt Ion:128 Resp: 4658  
Ion Ratio Lower Upper  
128 100  
127 4.0 10.5 15.7#  
129 5.7 8.9 13.3#





#96  
1,2,3-Trichlorobenzene  
Concen: 2.875 ug/l  
RT: 15.702 min Scan# 5113  
Delta R.T. 0.000 min  
Lab File: VN069054.D  
Acq: 20 Oct 2021 11:46

Instrument :  
MSVOA\_N  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1198  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 82.1  | 48.1  | 144.3 |
| 145      | 7.8   | 17.4  | 52.2# |

